
Rule DAS205: VOLUME PERFORMANCE WAS NOT CONSISTENTLY POOR

Finding: The performance of the volume having the "worst" overall performance for the critical workload was not consistently poor in any single area.

Impact: This finding has little impact, other than to indicate that there may be no problem with the device.

Logic flow: The following rules cause this rule to be invoked:
DAS200: Volume with worst overall performance

Discussion: CPExpert checked PEND time, CONN time, DISC time, and IOSQ time. For legacy devices, CPExpert also has checked seek time and missed RPS reconnect time. None of these areas **consistently** accounted for a majority of the delay for the volume selected as the volume with the "worst" overall performance with respect to the critical workload.

Suggestion: This condition most likely would occur when the period(s) of poor performance were extremely poor or if the guidance provided to CPExpert is too restrictive.

- Devices sometimes have periods of extremely poor performance combined with a large number of I/O operations. This combination may result in the device being selected as the one with the most potential for performance improvement, even though the device did not have consistently poor performance. The most likely cause of such a situation is a particular application or combination of applications executing in the interval with poor performance.
- The guidance provided to CPExpert may be too restrictive. For example, if a large number of volumes are excluded from analysis (using the EXCLUDE option), the remaining volumes may have no particular problem. However, the logic is designed to select a "worst" volume, regardless of whether that volume actually has problems.